

HD Panorama Network Camera Quick Start Guide

Version 1.0.0

Welcome

Thank you for purchasing our network camera!

This user's manual is designed to be a reference tool for your system.

Please read the following safeguard and warnings carefully before you use this series product!

Please keep this user's manual well for future reference!

1 . Electrical safety

All installation and operation here should conform to your local electrical safety codes.

The power shall conform to the requirement in the SELV (Safety Extra Low Voltage) and the Limited power source is rated 12V DC in the IEC60950-1.

This series product supports PoE too.

Note: Do not connect these two power supplying sources to the device at the same time; it may result in device damage!

We assume no liability or responsibility for all the fires or electrical shock caused by improper handling or installation.

We are not liable for any problems caused by unauthorized modification or attempted repair.

2 . Transportation security

Heavy stress, violent vibration or water splash are not allowed during transportation, storage and installation.

3 . Installation

Do not apply power to the camera before completing installation.

Please install the proper power cut-off device during the installation connection.

Always follow the instruction guide the manufacturer recommended.

4 . Qualified engineers needed

All the examination and repair work should be done by the qualified service engineers.

We are not liable for any problems caused by unauthorized modifications or attempted repair.

5 . Environment

This series network camera should be installed in a cool, dry place away from direct sunlight, inflammable, explosive substances and etc.

Please keep it away from the electromagnetic radiation object and environment.

Please make sure the CCD (CMOS) component is out of the radiation of the laser beam device. Otherwise it may result in CCD (CMOS) optical component damage.

Please keep the sound ventilation.

Do not allow the water and other liquid falling into the camera.

Thunder-proof device is recommended to be adopted to better prevent thunder.

The grounding holes of the product are recommended to be grounded to further enhance the reliability of the camera.

6. Daily Maintenance

Please shut down the device and then unplug the power cable before you begin daily maintenance work.

Do not touch the CCD (CMOS) optic component. You can use the blower to clean the dust on the lens surface.

Always use the dry soft cloth to clean the device. If there is too much dust, please use the water to dilute the mild detergent first and then use it to clean the device. Finally use the dry cloth to clean the device.

Please put the dustproof cap to protect the CCD (CMOS) component when you do not use the camera.

Dome enclosure is the optical component, do not touch the enclosure when you are installing the device or clean the enclosure when you are doing maintenance work.

7. Accessories

Be sure to use all the accessories recommended by manufacturer.

Before installation, please open the package and check all the components are included.

Contact your local retailer ASAP if something is broken in your package.

Accessory Name	Amount
Network Camera	1
Quick Start Guide	1
Installation Accessories Bag	1
CD	1

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1 Structure

1.1 Multi-function Combination Cable

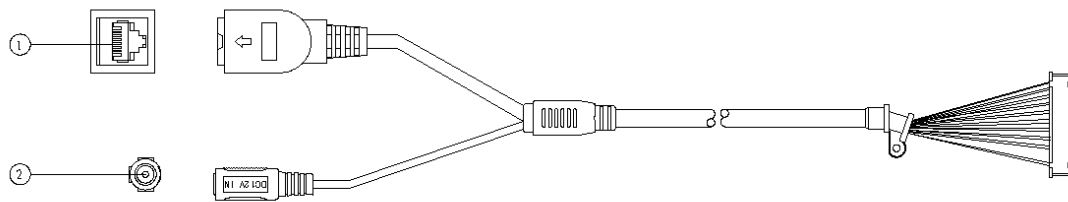


Figure 1- 1

The multi-function cable is in Figure 1- 1.

Please refer to the following sheet for corresponding information.

No.	Port	Port Name	Connector	Description
1	LAN	Network port	Ethernet	Connect to Ethernet cable.
2	DC12V	Power input	/	Power port, input 12V DC.

1.2 Dimensions

You can refer to the following figures for dimension information. The Unit is mm. See Figure 1- 2, Figure 1- 3, and Figure 1- 4.

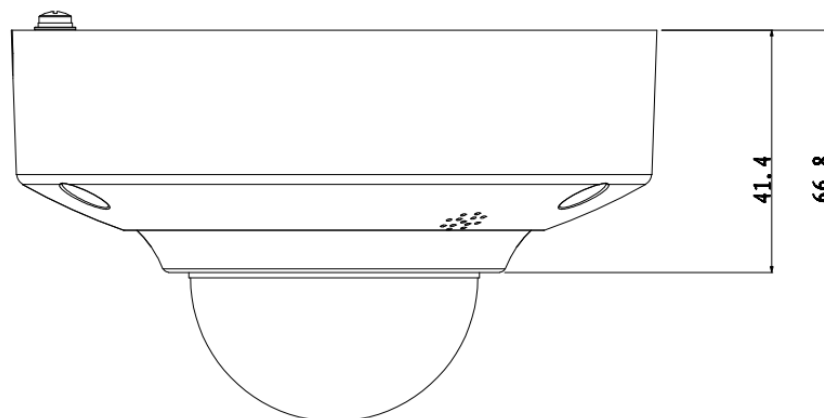


Figure 1- 2

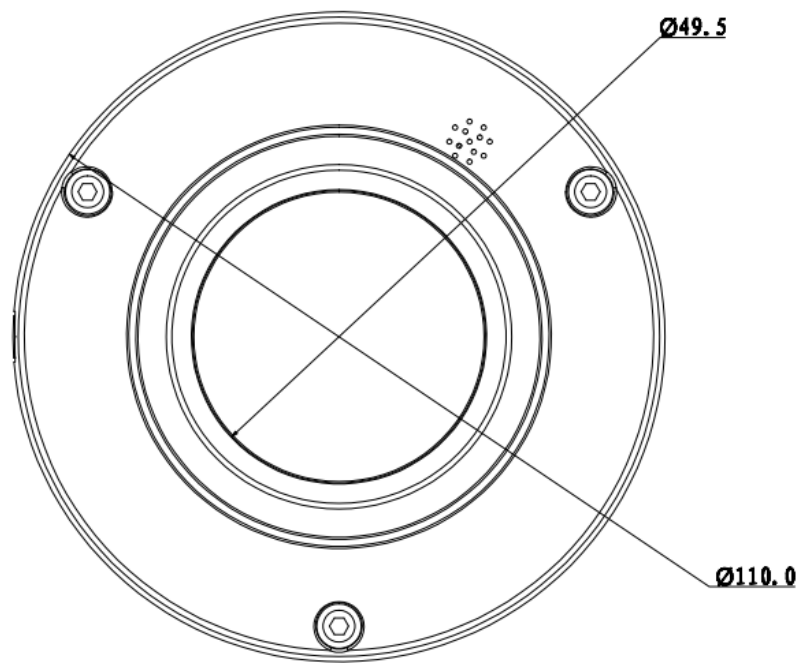


Figure 1- 3

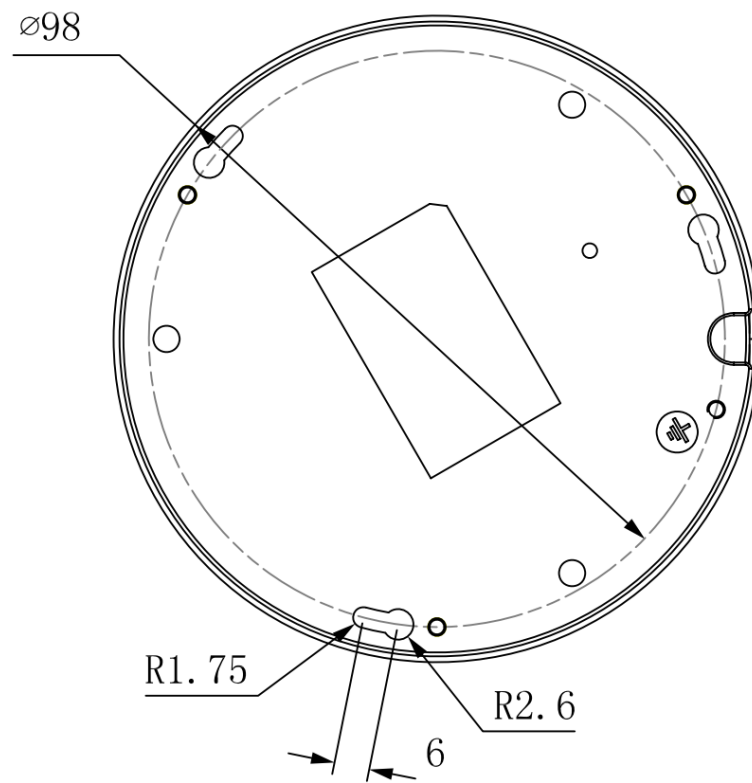


Figure 1- 4

1.3 Bidirectional Talk

1.3.1 Device-end to PC-end

Device Connection

Please connect the speaker to the audio input port of the PC.

Login the Web and then click the Talk button to enable the bidirectional talk function.

You can see the button becomes orange after you enabled the bidirectional talk function.

Click Talk button again to stop the bidirectional talk function.

Listening Operation

At the device end, speak via the speaker, and then you can get the audio at the pc-end.

2 Installation

Important

- Before you complete the installation and setup, do not remove the electrostatic attraction film on the transparent enclosure. Otherwise it may result in injury.
- After remove electrostatic attraction film, do not touch dome enclosure in case it may leave stain.
- Before the installation, please make sure the installation surface can sustain at least 3X weight of the bracket and the camera.

2.1 General Installation

Please refer to Figure 2- 1 for device installation information. You can see there are installation screws in the accessories bag for you to install the device conveniently.

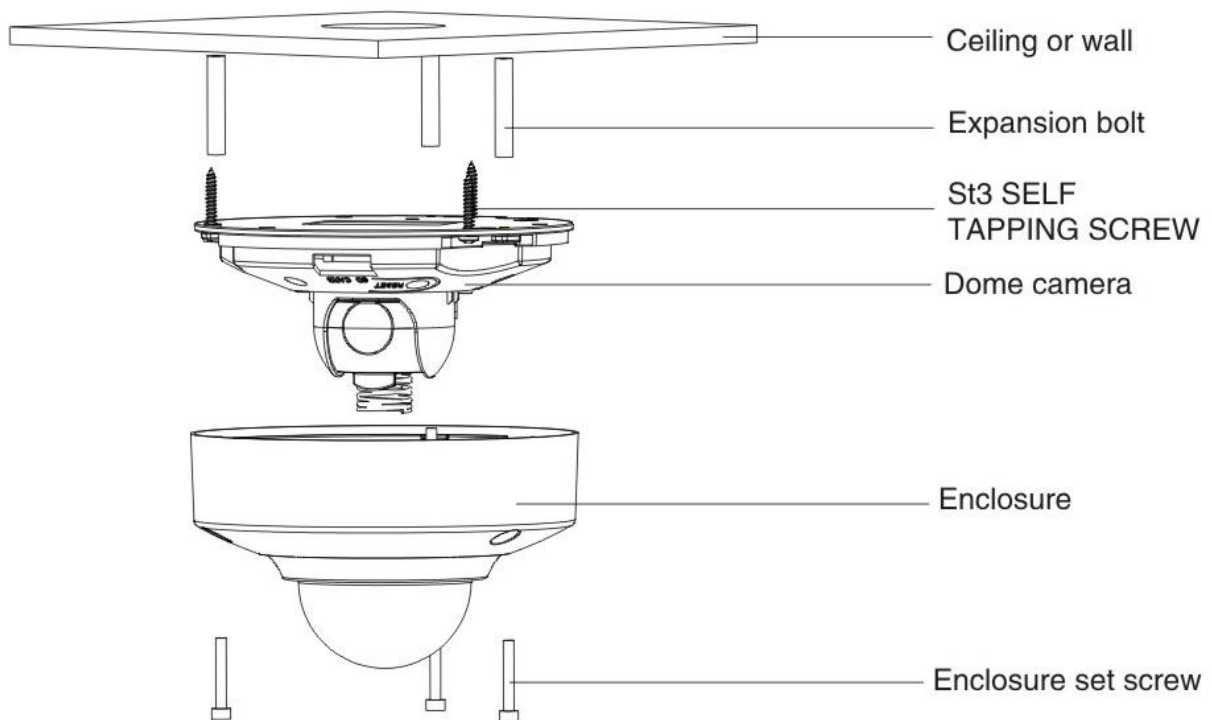


Figure 2- 1

2.2 Device Installation Steps

Step 1

Use the inner hex wrench from the accessories bag to unfasten the 3 hex screws on the dome camera enclosure and then remove it.

Step 2

Take the installation position diagram from the accessories bag and then paste it on the installation ceiling or the wall according to the monitor area. Please dig three bottom holes

of the plastic expansion bolts according to the diagram. Take three expansion bolts from the accessories bag and then insert them to the holes you just dug and then fix firmly. If you need to dig a hole to pull through the cable on top of installation surface, you need to dig a cable exit hole on the installation surface according to the installation positioning diagram. If you need to pull through the cable on the side, you need to dig through the U-shape exit hole on the side of chassis.

Step 3

Adjust the device chassis and pull the cable through the exit hole. Make “TOP” direction of the device identical with installation diagram. Make fixture hole on chassis face the three plastic expansion bolts (in Step 1). Take 3 ST3.0 self-tapping screw out from the accessories bag and fix them on the three plastic expansion bolts to secure the chassis on installation surface.

Step 4

Line up the dome camera protection enclosure and follow step 1 reversely to put it back. Use the inner hex wrench from the accessories bag to fasten the 3 hex screws. For Micro-SD card installation, please refer to Chapter 2.3. See Figure 2- 2 for grounding hole (GND).

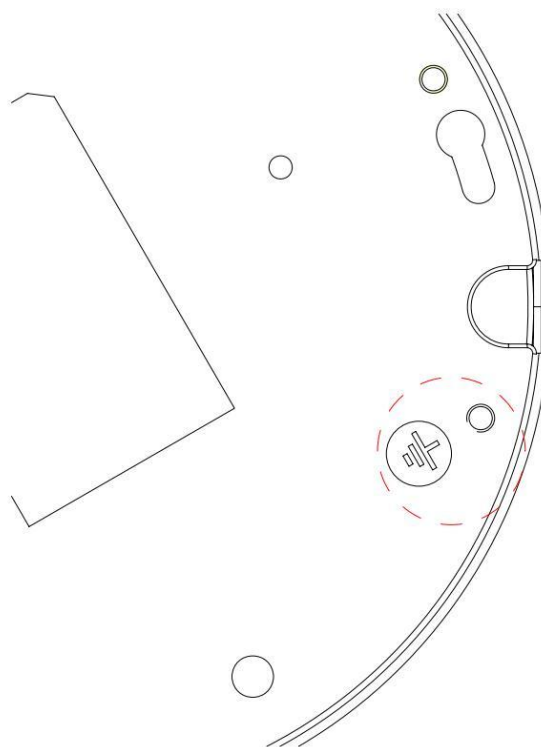


Figure 2- 2

Note: If connect the GND to ground lead, may improve device reliability. The GND locates next to exit hole on chassis and the GND screw is M3.

2.3 Micro SD Card Installation

Warning!

Please unplug the device power cable and then shutdown the device before you install the Micro SD card.

Please make sure the wire between power panel and device motherboard is firm, otherwise may cause abnormality.

Please put the enclosure back and fasten the screws tightly to prevent dust.

Step 1

Please refer to Step 1 in chapter 2.2 to open the device protection enclosure.

Step 2

Please find the “SD” mark inside the device according to Figure 2- 3. Insert Micro-SD card and put the enclosure back.

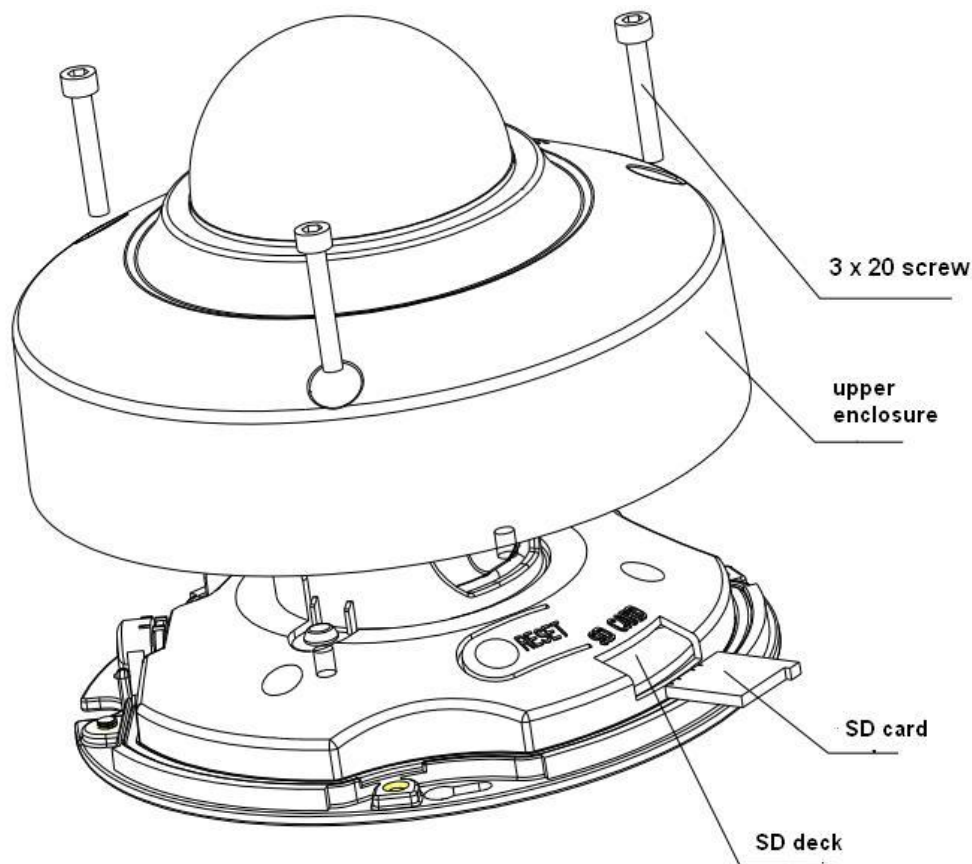


Figure 2- 3

2.4 Manual Zoom Lens Focus Operation

The lens of the HD panorama network camera is 180°, no manual zoom is required.

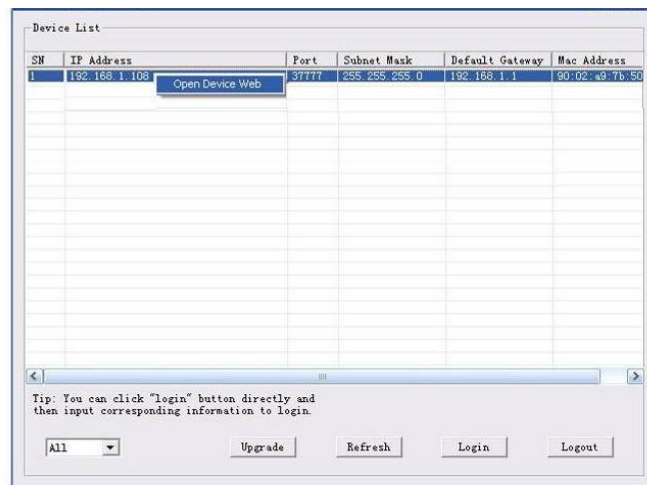


Figure 3- 2

Select the “Open Device Web” item; you can go to the corresponding web login interface. See Figure 3- 3.

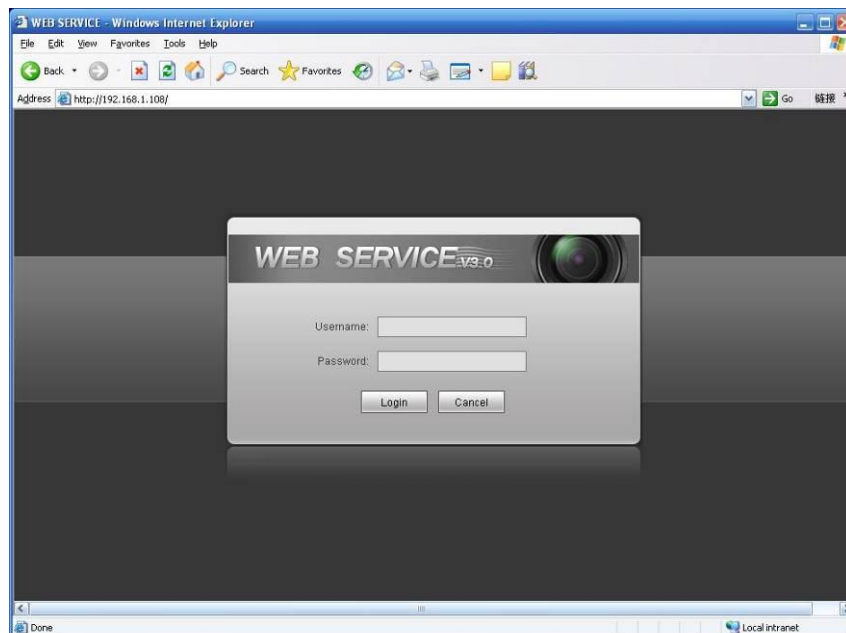


Figure 3- 3

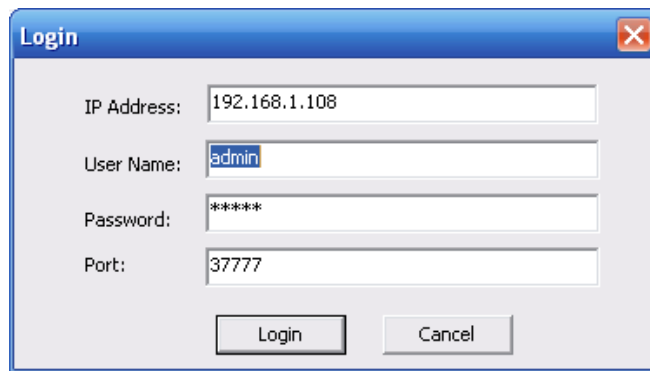
If you want to modify the device IP address without logging in the device web interface, you can go to the configuration tool main interface to set.

In the configuration tool search interface (Figure 3- 1), please select a device IP address and then double click it to open the login interface. Or you can select an IP address and then click the Login button to go to the login interface. See Figure 3- 4.

In Figure 3- 4, you can view device IP address, user name, password and port. Please modify the corresponding information to login.

Please note the port information here shall be identical with the port value you set in TCP port in Web Network interface. Otherwise, you cannot login the device.

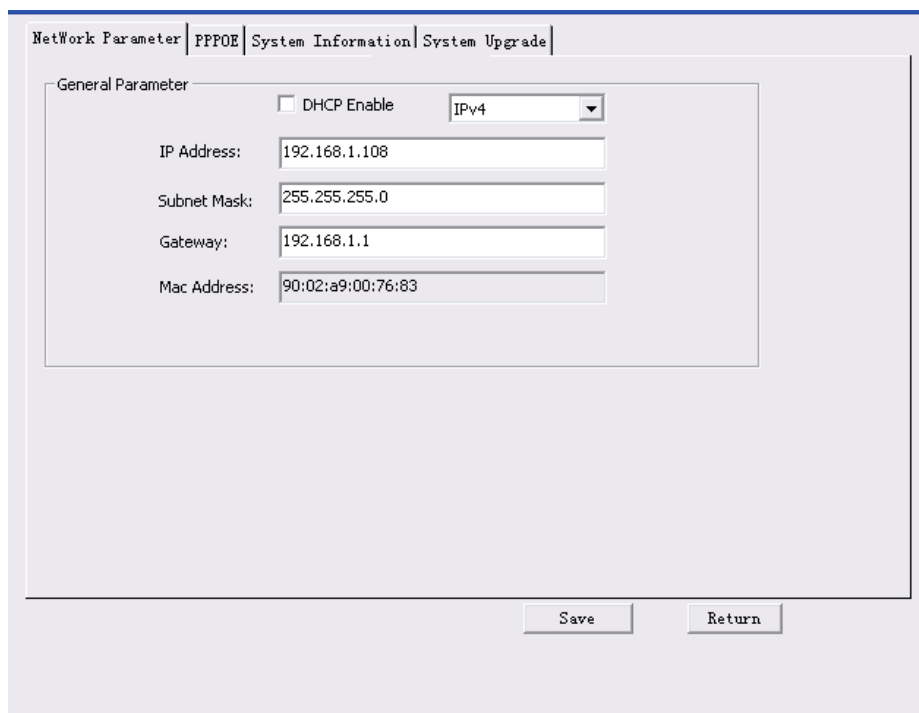
If you are using device background upgrade port 3800 to login, other setups are all invalid.



A login dialog box titled "Login" with a close button (X) in the top right corner. It contains four input fields: "IP Address" with the value "192.168.1.108", "User Name" with the value "admin", "Password" with the value "*****", and "Port" with the value "37777". At the bottom, there are two buttons: "Login" and "Cancel".

Figure 3- 4

After you logged in, the configuration tool main interface is shown as below. See Figure 3-5.



The main interface of the configuration tool. It has a tabbed menu at the top with four tabs: "Network Parameter", "PPPOE", "System Information", and "System Upgrade". The "Network Parameter" tab is selected. Below the tabs, there is a "General Parameter" section. It contains a checkbox for "DHCP Enable" which is unchecked, and a dropdown menu for "IPv4" which is set to "IPv4". Below these are four input fields: "IP Address" with the value "192.168.1.108", "Subnet Mask" with the value "255.255.255.0", "Gateway" with the value "192.168.1.1", and "Mac Address" with the value "90:02:a9:00:76:83". At the bottom right, there are two buttons: "Save" and "Return".

Figure 3- 5

For detailed information and operation instruction of the quick configuration tool, please refer to the *Quick Configuration Tool User's Manual* included in the resources CD.

4 Web Operation

This series network camera products support the Web access and management via PC. Web includes several modules: Monitor channel preview, system configuration, alarm and etc.

4.1 Network Connection

Please follow the steps listed below for network connection.

- Make sure the network camera has connected to the network properly.
- Please set the IP address, subnet mask and gateway of the PC and the network camera respectively. Network camera default IP address is 192.168.1.108. Subnet mask is 255.255.255.0. Gateway is 192.168.1.1
- Use order ping `***.***.***.***`(* network camera address) to check connection is OK or not.

4.2 Login and Main Interface

Open IE and input network camera address in the address bar.

For example, if your camera IP is 192.168.1.108, then please input `http:// 192.168.1.108` in IE address bar. See Figure 4- 1.

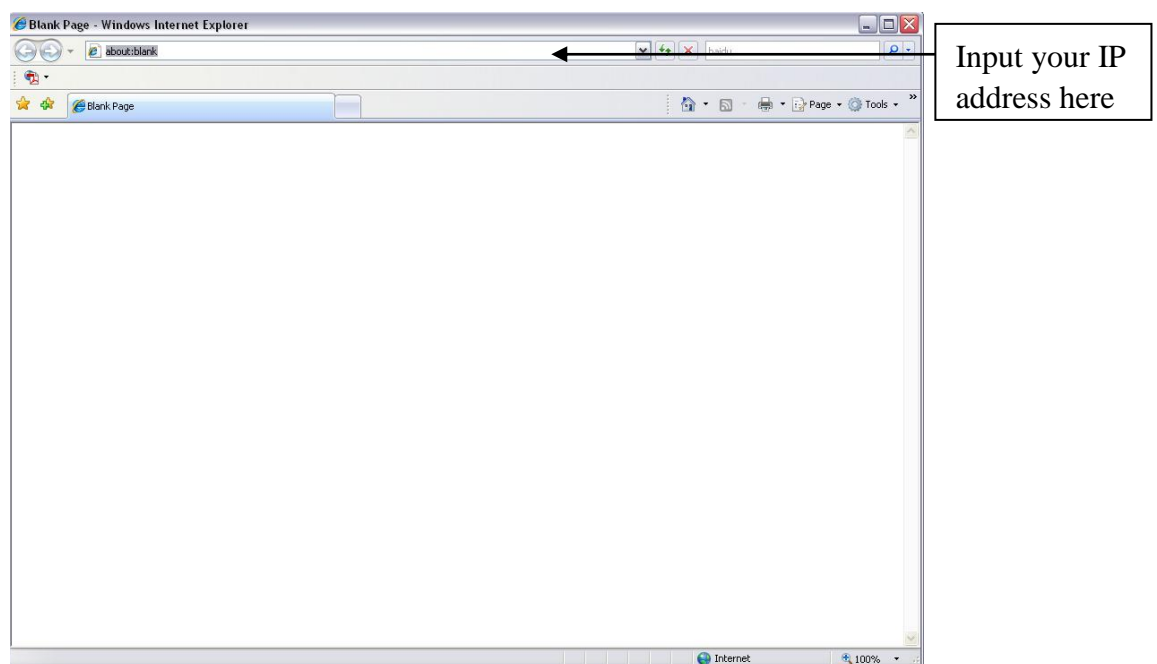


Figure 4- 1

The login interface is shown as below. See Figure 4- 2.

Please input your user name and password.

Default factory name is admin and password is admin.

Note: For security reasons, please change your password after you first login.

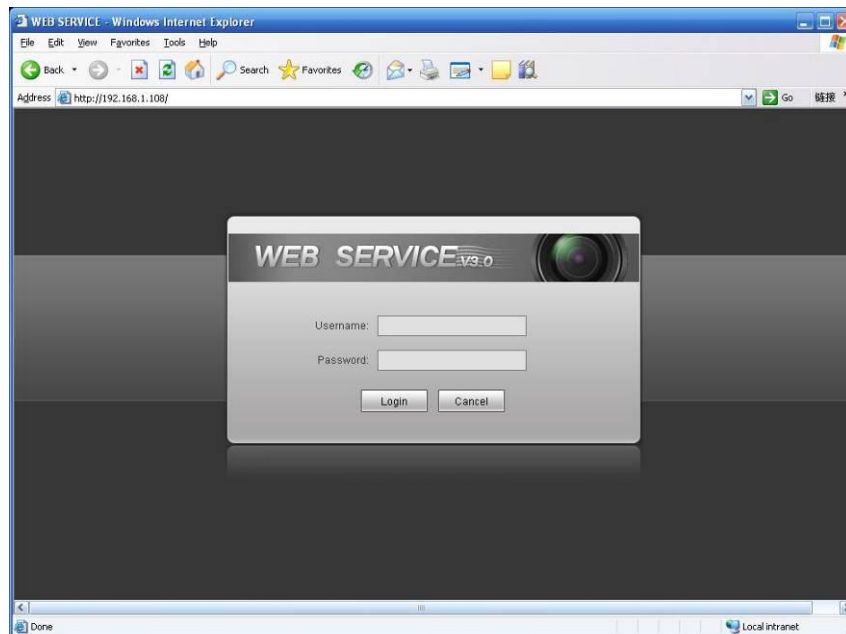


Figure 4- 2

If it is your first time to login in, system pops up warning information to ask you whether install control webrec.cab or not after you logged in for one minute. Please click OK button, and system will automatically install the control. When system is upgrading, it will overwrite the previous Web too.

If you can't download the ActiveX file, please check whether you have installed the plug-in to disable the control download. Or you can lower the IE security level. See Figure 4- 3.

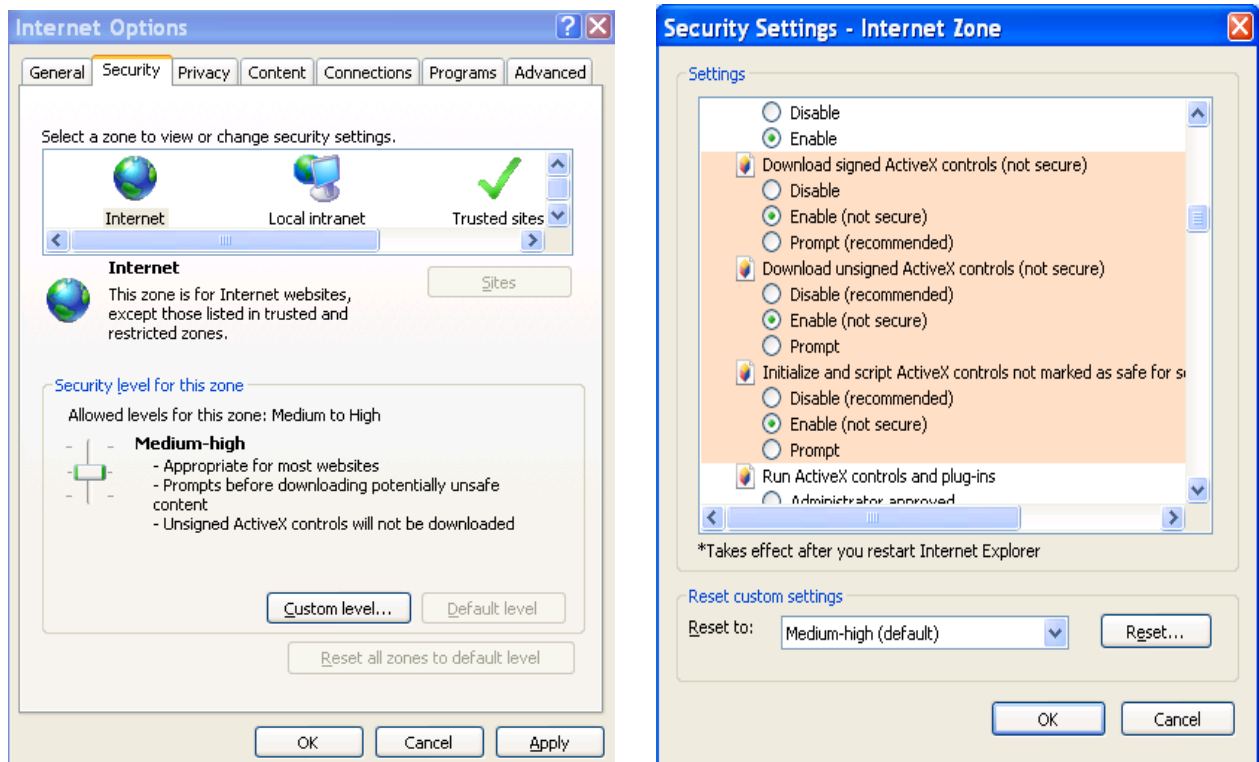


Figure 4- 3

After you logged in, you can see the main window. See Figure 4- 4.



Figure 4- 4

Please refer to the Web Operation Manual included in the resource CD for detailed operation instruction.

4.3 Panorama Function on Web

There is a panorama icon at the lower-left corner of web interface and you can click it to view installation mode and display mode at the right.

Please set installation mode according to actual installation condition.

4.3.1 Installation Mode

There are three modes: wall mount, in-ceiling and ground.

- Wall mount: It is wall mount and the camera is pointing to the front.
- In-ceiling: It is the in-ceiling mount and the camera is pointing to the bottom.
- Ground: It is the ground installation and the camera is pointing to the top.

See Figure 4- 5.

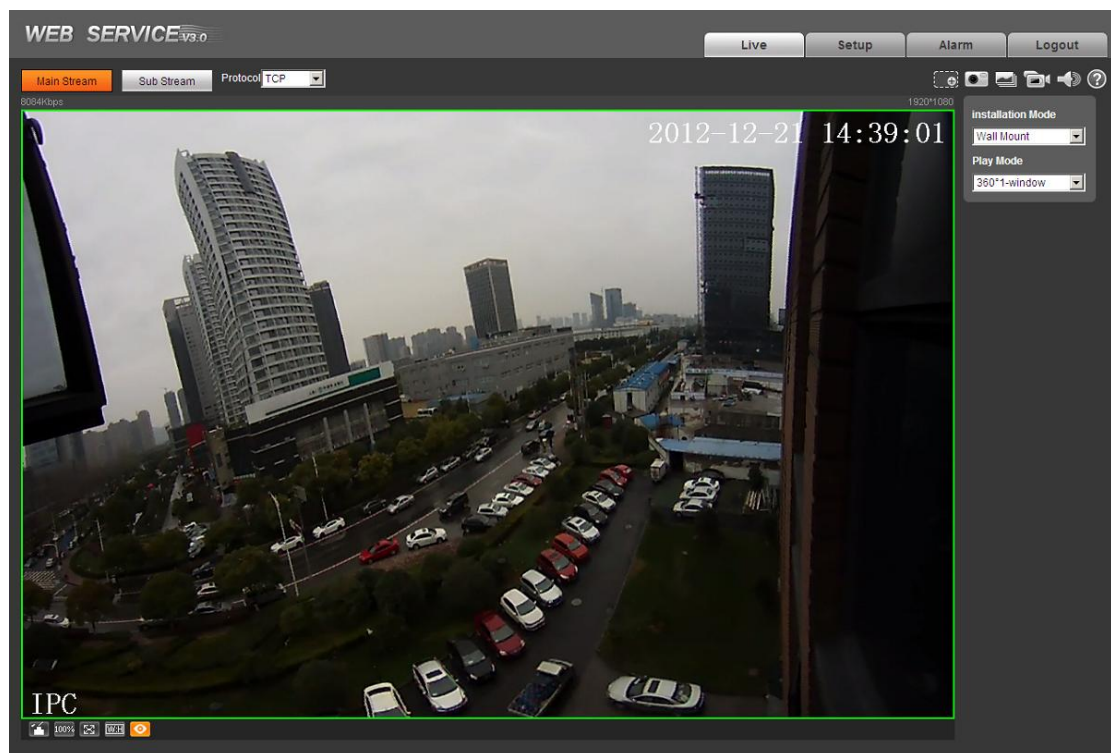


Figure 4- 5

4.3.2 Display Mode

There are four modes: 360°1-window, dual-picture panorama, 1-window and 90°4-window

- 360°1-window: It takes the whole panorama and is one-window 360 degrees panorama.
- Dual-picture panorama: It is the dual-window 180 degrees panorama.
- 1-window: It is to display one of the four windows. It can show the video around the 360 degrees panorama. You can select video and then implement corresponding operation.

Where you can:

1. Adjust camera direction via arrow keys. Click OK to restore default position.
 2. Step length is mainly used for speed adjustment as the longer the step, the higher the speed. Zoom step length is to adjust zoom speed; movement step length is to adjust rotation speed per step; rotation step length is to adjust clockwise/counterclockwise rotation speed.
- 90°4-window: Panorama 360 digress is divided into four windows. Each window has 90 digress and totally displayed in four channels.

5 FAQ

Bug	Solution
I cannot boot up the device.	Please click RESET button for at least five seconds to restore factory default setup.
Micro SD card write times	Do not set the Micro SD card as the storage media to store the schedule record file. It may damage the Micro SD card duration.
I cannot use the disk as the storage media.	When disk information is shown as hibernation or capacity is 0, please format it first (Via Web).
I cannot upgrade the device via network.	When network upgrade operation failed, you can use port 3800 to continue upgrading.
Recommended Micro SD card brand	Kingston 4GB, Kingston 16GB, Kingston 32GB, Transcend 16GB, SanDisk 4GB, SanDisk 32GB. Usually we recommend the 4GB (or higher) or industry-level high speed card in case the slow speed results in data loss.
Save config	When you are done with config, to ensure the config is saved on storage media, we recommend you to reboot the device via software.
Power adaptor	The suggested environment temperature of power adaptor is 0~40 °C, and for other temperatures, a industry-level power adaptor is required.

Appendix Toxic or Hazardous Materials or Elements

Component Name	Toxic or Hazardous Materials or Elements					
	Pb	Hg	Cd	Cr VI	PBB	PBDE
Circuit Board Component	○	○	○	○	○	○
Device Case	○	○	○	○	○	○
Wire and Cable	○	○	○	○	○	○
Packing Components	○	○	○	○	○	○
Accessories	○	○	○	○	○	○

O: Indicates that the concentration of the hazardous substance in all homogeneous materials in the parts is below the relevant threshold of the SJ/T11363-2006 standard.

X: Indicates that the concentration of the hazardous substance of at least one of all homogeneous materials in the parts is above the relevant threshold of the SJ/T11363-2006 standard. During the environmental-friendly use period (EFUP) period, the toxic or hazardous substance or elements contained in products will not leak or mutate so that the use of these (substances or elements) will not result in any severe environmental pollution, any bodily injury or damage to any assets. The consumer is not authorized to process such kind of substances or elements, please return to the corresponding local authorities to process according to your local government statutes.

Note

- This user's manual is for reference only. Slight difference may be found in user interface.
- All the designs and software here are subject to change without prior written notice.
- All trademarks and registered trademarks mentioned are the properties of their respective owners.
- If there is any uncertainty or controversy, please refer to the final explanation of us.
- Please visit our website for more information.